

FIG. 1

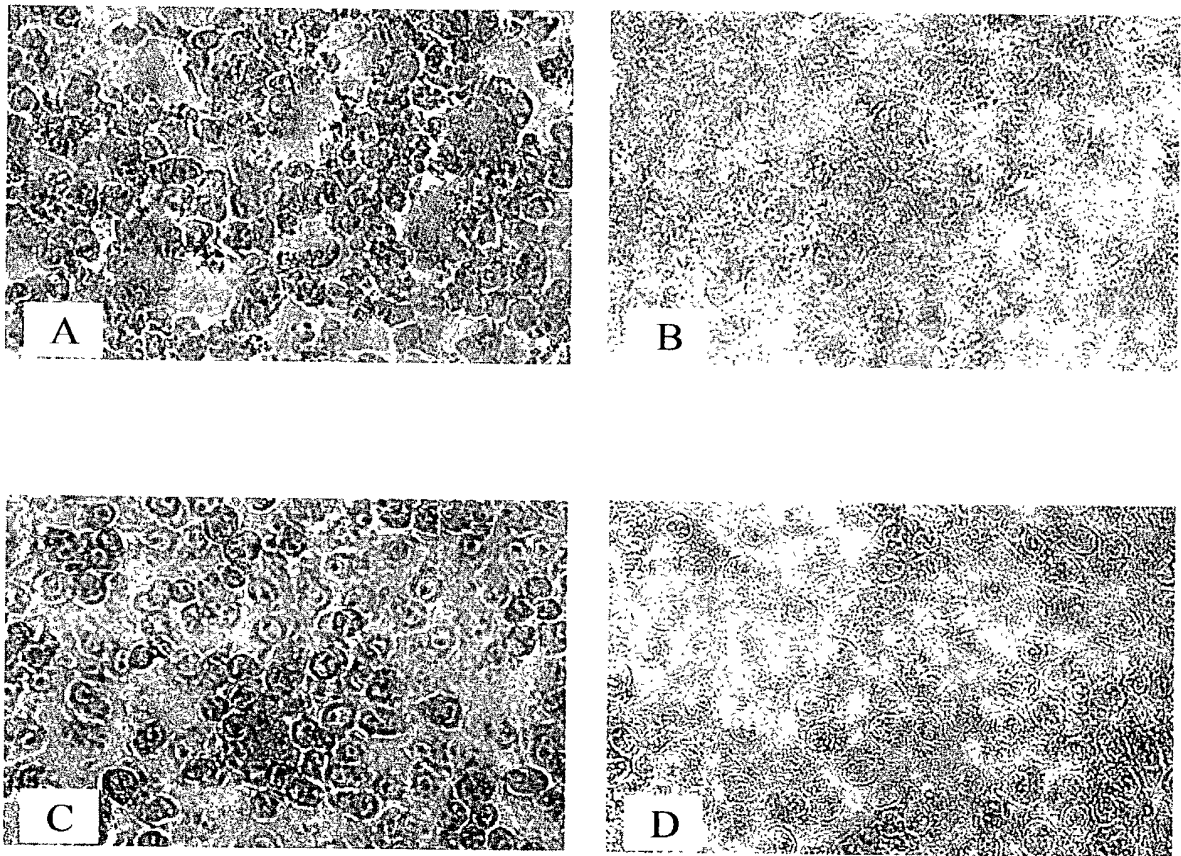


FIG. 2

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1  cccgagcgtgc cccggggcgct gcccctcttc ggggagctgc cccggctgct gctgctgggtg
61  ctgttggtgcc tgccggccgt gtgggggtgac tgtggccttc cccagatgt acctaagcc
121  cagccagctt tggaaggccg tacaagtttt cccgaggata ctgtaataac gtacaaatgt
181  gaagaaagct ttgtgaaaat tcttgccgag aaggactcag tgacctgct taagggcag
241  caatggtcag atattgaaga gttctgcaat cgtagctgcg aggtgccaac aaggctaaat
301  tctgcatccc tcaaacagcc ttatatcact cagaattatt ttccagtcgg tactgttggtg
361  gaatatgagt gccgtccagg ttacagaaga gaaccttctc tatcaccaaa actaacttgc
421  cttcagaatt taaaatggtc cacagcagtc gaattttgta aaaagaaatc atgcecta
481  cccgggagaaa tacgaaatgg tcagattgat gtaccagggtg gcatattatt tggtgcaacc
541  atctccttct catgtaacac aggttacaaa ttatttggtc cgacttctag tttttgtctt
601  atttcaggca gctctgtcca gtggagtgac ccgttgccag agtgccagaga aatttattgt
661  ccagcaccac cacaattga caatggaata attcaagggg aacgtgacca ttatggatat
721  agacagtctg taacgtatgc atgtaataaa ggattcacca tgattggaga gcactctatt
781  tattgtactg tgaataatga tgaaggagag tggagtggcc caccacctga atgcagagga
841  aaatctctaa cttccaaggt cccaccaaca gttcagaaac ctaccacagt aaatgttcca
901  actacagaag tctcaccaac ttctcagaaa accaccacaa aaaccaccac accaaatgct
961  caagcaacac ggagtacacc tgtttccagg acaaccaagc attttcatga aacaaccca
1021  aataaaggaa gtggaaccac ttcagggtact accegtcttc tatctgggca cagtggttc
1081  acgttgacag gtttgcttgg gacgtagta accatgggtc tgctgactta gccaaagaag
1141  agttaagaag aaaatacaca caagtataca gactgttctc agtttcttag acttatctgc
1201  atattggata aaataaatgc aattgtgctc ttcatttagg atgtttctat tgtctttaag
1261  atgtgttagg aatgtcaaca gagcaaggag aaaaaaggca gtccgtggaat cacattctta
1321  gcacacctgc gctcttgaa aatagaacaa cttgcagaat tgagagtgat tcttttcta
1381  aaagtgtgaa aaagcataga gatttggtcg tattaagaat gggatcacga ggaaaagaga
1441  aggaaagtga tttttttcca caagatctga aatgatattt ccacttataa aggaaataaa
1501  aaatgaaaaa cattatttgg atatcaaaag caaataaaaa ccaattcag tctcttctaa
1561  gcaaaattgc taaagagaga tgaccacatt ataaagtaat ctttggttaa ggcattttca
1621  tctttcttcc gggtggcaaa atatttttaa ggtaaaacat gctgggtgaac caggggtgtg
1681  atgggtgataa gggaggaata tagaatgaaa gactgaatct tcctttgttg cacaataaga
1741  gtttggaataa agcctgtgaa aggtgtcttc tttgacttaa tgtcttttaa agtatccaga
1801  gatactacaa tattaacata agaaaagatt atatattatt tctgaatcga gatgtccata
1861  gtcaaatgtg taaatcttat tcttttgtaa tatttattta tatttattta tgacagtga
1921  cattctgatt ttacatgtaa aacaagaaaa gttgaagaag atatgtgaag aaaaatgtat
1981  ttttctctaa tagaaataaa tgateccatt ttttgggt

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FIG. 3A

PSVPAALPLLGLPRLLLLLVLLCLPAVWGDCGLPPDPVNAQPAL
EGRTSFPEDTVITYKCEESFVKIPGEKDSVTCLKGMQWSDIEEFCNRSCEVPTRLNSA
SLKQPYITQNYFPVGTVEYECRPGYRREPSLSPKLTCLQNLKWSTAVEFCKKKSCPN
PGEIRNGQIDVPGGILFGATISFSCNTGYKLFGSTSSFCLISGSSVQWSDPLPECREI
YCPAPPQIDNGIIQGERDHYGYRQSVTYACNKGFTMIGEHSIYCTVNNDEGEWSGPPP
ECRGKSLTSKVPPTVQKPTTVNVPPTTEVSPTSQKTTTKTTTPNAQATRSTPVSRTTKH
FHETTPNKGSGTTS GTTRLLSGHTCFTLTGLLGTLVTMGLLT

[REDACTED]

A

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1  ccgctgggcg tagctgcgac tggcgaggag cccggcgggc cgtccttgtt ctaaccggc
61  ggcgatgac cgtcgcgcg cgcgagcgtg cgcggcgct gcccctctc ggggagctgc
121 cccgctgct gctgctggtg ctgttggtgc tggcgccgt gtggggtagc tgtggccttc
181 cccagatgt acctaagtc cagccagctt tggaggccg tacaagttt cccgaggata
241 ctgtaataac gtacaaatgt gaagaaagct ttgtgaaaat tcctggcgag aaggactcag
301 tgatctgcct taagggcagt caatggtagc atattgaaga gttctgcaat cgtagctgcy
361 aggtgccaac aaggctaaat tctgcatccc tcaaacagcc ttatatcact cagaattatt
421 ttccagtcgg tactgttgtg gaatatgagt gccgtccagg ttacagaaga gaaccttctc
481 tatcaccaaa actaactgac cttcagaatt taaaatgggc cacagcagtc gaattttgta
541 aaaagaaatc atgccctaac cggggagaaa tacgaaatgg tcagattgat gtaccaggtg
601 gcatattatt tgggtgcaacc atctccttct catgtaacac agggtagaaa ttatttggtc
661 cgacttctag tttttgtctt atttcaggca gctctgtcca gtggagtagc ccgttgccag
721 agtgagagaa aatttattgt ccagcaccac cacaattga caatggaata attcaagggg
781 aacgtgacca ttatggatat agacagctctg taacgtatgc atgtaataaa ggattcacca
841 tgattggaga gcactctatt tattgtactg tgaataatga tgaaggagag tggagtggcc
901 caccacctga atgcagagga aaatctctaa cttccaaggt cccaccaaca gttcagaaac
961 ctaccacagt aaatgttcca actacagaag tctcaccaac ttctcagaaa accaccacaa
1021 aaaccaccac accaaatgct caagcaacac ggagtacacc tgtttccagg acaaccaagc
1081 attttcatga aacaacccca aataaaggaa gtggaaccac ttcaggtagt acccgtcttc
1141 tatctgggtc tgcctctgac acccaggtct gtatgcggtg gtgtgatcgt agctcactgc
1201 agtctcgaac tcctgggttc aagcgatcct tccacttcag cctcccaagt agctggtagt
1261 acagggcaca cgtgtttcac gttgacaggt ttgcttggga cgctagtaac catgggcttg
1321 ctgacttagc caaagaagag ttaagaagaa aatacacaca agtatacaga ctgttcctag
1381 tttcttagac ttatctgcat attggataaa ataaatgcaa ttgtgctctt catttaggat
1441 gctttcattg tctttaagat gtgttaggaa tgtcaacaga gcaaggagaa aaaaggcagt
1501 cctggaatca cattcttagc acacctacac ctcttgaaaa tagaacaact tgcagaattg
1561 agagtgatcc ctttctctaa agtgtaagaa agcatagaga tttgttcgta tttagaatgg
1621 gatcacgagg aaaagagaag gaaagtgatt tttttccaca agatctgtaa tgttatttcc
1681 acttataaag gaaataaaaa atgaaaaaca ttatttggat atcaaaagca aataaaaacc
1741 caattcagtc tcttctaagc aaaattgcta aagagagatg aaccacatta taaagtaatc
1801 tttggctgta aggcattttc atctttcctt cgggttggca aaatatttta aaggtaaaac
1861 atgctgggtg accaggggtg ttgatggtag taaggaggga atatagaatg aaagactgaa
1921 tcttcttttg ttgcacaaat agagtgttga aaaagcctgt gaaagggtgc ttctttgact
1981 taatgtcttt aaaagtatcc agagatacta caatattaac ataagaaaag attatatatt
2041 atttctgaat cgagatgtcc atagtaaat ttgtaaatct tattcttttg taatatttat
2101 ttatatttat ttatgacagt gaacattctg attttacatg taaaacaaga aaagttgaag
2161 aagatatgtg aagaaaaatg tatttttctt aaatagaaat aaatgatccc attttttggg

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B

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MTVARPSVPAALPLLGLPRLLLLVLLCLPAVWGDCGLPPDVPN
AQPALGRTSFPEDTVITYKCEESFVKIPGEKDSVICLKGSQWSDIEEFCNRSCEVPT
RLNSASLKQPYITQNYFPVGTVVEYECRPGYRREPSLSPKLTCLQNLKWSTAVEFCKK
KSCPNPGEIRNGQIDVPGGILFGATISFSCNTGYKLFGSTSSFCLISGSSVQWSDPLP
ECREIYCPAPPQIDNGIIQGERDHYGYRQSVTYACNKGFTMIGEHSIYCTVNNDEGEW
SGPPPECRGKSLTSKVPPTVQKPTTVNVPPTTEVSPTSQKTTTKTTTPNAQATRSTPVS
RTTKHFHETTPNKGSGTTS GTTRLLSGHTCFTLTGLLGLVTMGLLT

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FIG. 4